



# ecology and environment, inc.

223 WEST JACKSON BLVD., CHICAGO, ILLINOIS 60606, TEL. 312-663-9415

US EPA RECORDS CENTER REGION 5



462600

International Specialists in the Environmental Sciences

DATE: February 11, 1983

TO: File/USEPA Region V

FROM: Paul D. Shea

SUBJECT: Preliminary Assessment

Illinois/TDD#RO5-8212-01A-176

Chicago/SCA Chemical Services, Incorporated

ILD000672121

Attached is EPA's Preliminary Assessment Form 2070-12 for the above referenced site.

Primary information was gathered from the following source(s):

1. Illinois Environmental Protection Agency (IEPA) - Maywood, 312/345-9780
- 2.
- 3.

Information indicates the following responsible parties should be listed. They are listed here because of space limitations:

1. None
- 2.
- 3.

Presently, data gaps or no verification exists in the following key area(s):

1. Population potentially exposed
2. Drinking water contamination
3. Surface water contamination

A review of the available data indicates that additional information will be necessary to assess the impact(s) on:

1. Groundwater
2. Surface water
3. Fire/explosive
4. Air emissions
5. Direct contact

Suggested methods/sources for obtaining additional information are:

1. Sampling/monitoring
2. On site inspection
3. Off site inspection

Notice of an apparent need for emergency action was transmitted to N/A on N/A by N/A.

gm

<div style="display: inline-block; vertical-align: middle; text-align: center;"> <b>POTENTIAL HAZARDOUS WASTE SITE PRELIMINARY ASSESSMENT</b>  <b>PART 1 - SITE INFORMATION AND ASSESSMENT</b> </div>		<b>I. IDENTIFICATION</b> 01 STATE 02 SITE NUMBER <b>IL D000672121</b>	
<b>II. SITE NAME AND LOCATION</b>			
01 SITE NAME (Legal, common, or descriptive name of site) <b>SCA CHEM. SERVICES INC.</b>		02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER <b>11700 S. STONY ISLAND AVE.</b>	
03 CITY <b>CHICAGO</b>	04 STATE <b>IL</b>	05 ZIP CODE <b>60617</b>	06 COUNTY <b>COOK</b>
07 COORDINATES LATITUDE <b>41°40'55.0"</b>		08 COUNTY CODE <b>031</b>	
LONGITUDE <b>087°34'17.0"</b>		08 CONG DIST <b>2</b>	
10 DIRECTIONS TO SITE (Starting from nearest public road) <b>E 1/2 OF SECTION 23 + W 1/2 OF SECTION 24</b> <b>T37N, R14E</b> <b>I-94 TO 130TH - EAST TO TORRENCE</b> <b>TURN LEFT + GO NORTH TO FIRST LEFT. GO TO STONY ISLAND AVE + TURN</b> <b>RIGHT - SITE AHEAD ON LEFT</b>			
<b>III. RESPONSIBLE PARTIES</b>			
01 OWNER (If known) <b>G.S. KUSH</b> <b>SCA CHEM. SERVICES, INC.</b>		02 STREET (Business, mailing, residential) <b>60 STATE STREET</b>	
03 CITY <b>BOSTON</b>	04 STATE <b>MA</b>	05 ZIP CODE <b>02109</b>	06 TELEPHONE NUMBER <b>(617) 367-8300</b>
07 OPERATOR (If known and different from owner) <b>SCA CHEM. SERVICES, INC.</b>		08 STREET (Business, mailing, residential) <b>11700 STONY ISLAND AVE.</b>	
09 CITY <b>CHICAGO</b>	10 STATE <b>IL</b>	11 ZIP CODE <b>60617</b>	12 TELEPHONE NUMBER <b>(312) 646-0016</b>
13 TYPE OF OWNERSHIP (Check one) <input checked="" type="checkbox"/> A. PRIVATE <input type="checkbox"/> B. FEDERAL <input type="checkbox"/> C. STATE <input type="checkbox"/> D. COUNTY <input type="checkbox"/> E. MUNICIPAL <input type="checkbox"/> F. OTHER: _____ (Specify) <input type="checkbox"/> G. UNKNOWN			
14 OWNER/OPERATOR NOTIFICATION ON FILE (Check all that apply) <input checked="" type="checkbox"/> A. RCRA 3001 DATE RECEIVED: <b>8/18/80</b> <input type="checkbox"/> B. UNCONTROLLED WASTE SITE (CERCLA 103 c) DATE RECEIVED: <b>NONE</b> <input type="checkbox"/> C. NONE MONTH DAY YEAR    MONTH DAY YEAR			
<b>IV. CHARACTERIZATION OF POTENTIAL HAZARD</b>			
01 ON SITE INSPECTION <input checked="" type="checkbox"/> YES    DATE <b>10/26/76</b> <input type="checkbox"/> NO    MONTH DAY YEAR <b>11/7/83</b>		BY (Check all that apply) <input type="checkbox"/> A. EPA <input type="checkbox"/> B. EPA CONTRACTOR <input checked="" type="checkbox"/> C. STATE <input type="checkbox"/> D. OTHER CONTRACTOR <input type="checkbox"/> E. LOCAL HEALTH OFFICIAL <input type="checkbox"/> F. OTHER: _____ (Specify) CONTRACTOR NAME(S): _____	
02 SITE STATUS (Check one) <input checked="" type="checkbox"/> A. ACTIVE <input type="checkbox"/> B. INACTIVE <input type="checkbox"/> C. UNKNOWN		03 YEARS OF OPERATION BEGINNING YEAR _____ ENDING YEAR _____ <input checked="" type="checkbox"/> UNKNOWN	
04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, OR ALLEGED <b>INCINERATOR ASH HAZARDOUS WASTE (TOXIC, PERSISTENT)</b> <b>SCRUBBER SLUDGE (TOXIC, PERSISTENT)</b>			
05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION <b>LEACHING INTO GROUNDWATER (ENVIRONMENT + POPULATION)</b> <b>RUNOFF INTO SURFACE WATER (ENVIRONMENT + POPULATION)</b>			
<b>V. PRIORITY ASSESSMENT</b>			
01 PRIORITY FOR INSPECTION (Check one. If high or medium is checked, complete Part 2 - Waste Information and Part 3 - Description of Hazardous Conditions and Incidents) <input type="checkbox"/> A. HIGH (inspection required promptly) <input type="checkbox"/> B. MEDIUM (inspection required) <input type="checkbox"/> C. LOW (inspect on time available basis) <input type="checkbox"/> D. NONE (No further action needed, complete current disposition form)			
<b>VI. INFORMATION AVAILABLE FROM</b>			
01 CONTACT <b>MR. CHARLES GEBIAN</b>		02 OF (Agency/Organization) <b>IEPA (MAYWOOD)</b>	
04 PERSON RESPONSIBLE FOR ASSESSMENT		05 AGENCY	06 ORGANIZATION
		07 TELEPHONE NUMBER <b>( )</b>	08 DATE <b>1/1</b> MONTH DAY YEAR

STATE	SITE NUMBER
IL	D000672121

☒ I. HIGHLY VOLATILE  
☒ J. EXPLOSIVE  
☒ K. REACTIVE  
☒ L. INCOMPATIBLE  
☐ M. NOT APPLICABLE

CATEGORY	SUBSTANCE NAME	01 GROSS AMOUNT	02 UNIT OF MEASURE	03 COMMENTS
SLU	SLUDGE	4350	est TN	LIQUID INJECTION + SLUDGE ROTARY KILN HIGH TEMPERATURE INCINERATION, DRUM HANDLING + STAGING FACILITY
OLW	OILY WASTE	200	est TN	
SOL	SOLVENTS	61200	est TN	
PSD	PESTICIDES	18650	est TN	
OCC	OTHER ORGANIC CHEMICALS	62750	est TN	
IOC	INORGANIC CHEMICALS	10100	est TN	
ACD	ACIDS	900	est TN	
BAS	BASES	100	est TN	
MES	HEAVY METALS	16425	est TN	

[illegible]

CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER	CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER
FDS			FDS		
FDS			FDS		
FDS			FDS		
FDS			FDS		

IEPA FILE (MAYWOOD), (312) 345-9780



POTENTIAL HAZARDOUS WASTE SITE  
PRELIMINARY ASSESSMENT

PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
IL	0000672121

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 ☒ A. GROUNDWATER CONTAMINATION 02 ☒ OBSERVED (DATE: 10/26/76) ☒ POTENTIAL ☐ ALLEGED  
03 POPULATION POTENTIALLY AFFECTED: 720,000 04 NARRATIVE DESCRIPTION

RESULTS OF MONITORING FOUND WELL-13 HEAVILY POLLUTED; (29 of 34 parameters)  
W-9, 11, 4, 5, ALL FOUND CONTAMINATED.

01 ☒ B. SURFACE WATER CONTAMINATION 02 ☒ OBSERVED (DATE: 10/26/76) ☒ POTENTIAL ☐ ALLEGED  
03 POPULATION POTENTIALLY AFFECTED: 720,000 04 NARRATIVE DESCRIPTION

LAKE CALUMET WAS FOUND TO EXCEED AT LEAST 1 PARAMETER;  
REVERSE RECHARGING OF CONTAMINANTS TO LAKE PROBABLE  
DILUTION FACTOR

01 ☒ C. CONTAMINATION OF AIR 02 ☐ OBSERVED (DATE: \_\_\_\_\_) ☒ POTENTIAL ☐ ALLEGED  
03 POPULATION POTENTIALLY AFFECTED: >20,000 04 NARRATIVE DESCRIPTION

THE INCINERATOR WILL EMIT ORGANIC MATERIAL,  
PARTICULATE MATTER, SULFUR DIOXIDE, NITROGEN DIOXIDE,  
CARBON MONOXIDE

01 ☒ D. FIRE/EXPLOSIVE CONDITIONS 02 ☐ OBSERVED (DATE: \_\_\_\_\_) ☒ POTENTIAL ☐ ALLEGED  
03 POPULATION POTENTIALLY AFFECTED: ≈ 300 04 NARRATIVE DESCRIPTION

FLAMMABLES / EXPLOSIVES HANDLED ON SITE.

01 ☒ E. DIRECT CONTACT 02 ☐ OBSERVED (DATE: \_\_\_\_\_) ☒ POTENTIAL ☐ ALLEGED  
03 POPULATION POTENTIALLY AFFECTED: ≈ 300 04 NARRATIVE DESCRIPTION

THERE ARE AREAS WHERE THE FENCING NEEDS REPAIR  
ON THE EAST EDGE.

01 ☒ F. CONTAMINATION OF SOIL 02 ☐ OBSERVED (DATE: \_\_\_\_\_) ☒ POTENTIAL ☐ ALLEGED  
03 AREA POTENTIALLY AFFECTED: 30.11 (Acres) 04 NARRATIVE DESCRIPTION

LARGE QUANTITIES OF LIQUID WASTE STORED.  
POSSIBLE SPILLS ON TO SOIL.

01 ☒ G. DRINKING WATER CONTAMINATION 02 ☒ OBSERVED (DATE: 10/7/82) ☒ POTENTIAL ☐ ALLEGED  
03 POPULATION POTENTIALLY AFFECTED: \_\_\_\_\_ 04 NARRATIVE DESCRIPTION

SINCE THE GROUNDWATER OF THIS AREA WILL YIELD WATER TO  
SHALLOW WELLS, COULD BE ARGUED THAT THIS IS A POTENTIAL  
WATER RESOURCE - SCA G.W. MONITORING REPORT

01 ☒ H. WORKER EXPOSURE/INJURY 02 ☐ OBSERVED (DATE: \_\_\_\_\_) ☒ POTENTIAL ☐ ALLEGED  
03 WORKERS POTENTIALLY AFFECTED: ≈ 25 04 NARRATIVE DESCRIPTION

OPERATING + CLEANUP PERSONNEL POTENTIALLY  
EXPOSED TO LIQUID + ASH CONTAMINANTS

01 ☒ I. POPULATION EXPOSURE/INJURY 02 ☐ OBSERVED (DATE: \_\_\_\_\_) ☒ POTENTIAL ☐ ALLEGED  
03 POPULATION POTENTIALLY AFFECTED: 720,000 04 NARRATIVE DESCRIPTION

GROUNDWATER FOUND CONTAMINATED,  
SITE NOT FENCED TOTALLY - POTENTIAL DIRECT CONTACT  
POPULATION EXPOSURE POSSIBLE



POTENTIAL HAZARDOUS WASTE SITE  
PRELIMINARY ASSESSMENT

PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE 02 SITE NUMBER  
IL D000672121

II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)

01 ☒ J. DAMAGE TO FLORA 02 ☐ OBSERVED (DATE: \_\_\_\_\_) ☒ POTENTIAL ☐ ALLEGED  
04 NARRATIVE DESCRIPTION

FLORA EXPOSED  
CONTAMINANTS PRESENT IN L. CALUMET AND OTHER SENSITIVE  
AREAS FROM POTENTIAL RUNOFF & LEACHING.

01 ☒ K. DAMAGE TO FAUNA 02 ☐ OBSERVED (DATE: \_\_\_\_\_) ☒ POTENTIAL ☐ ALLEGED  
04 NARRATIVE DESCRIPTION (include name(s) of species)

RUNOFF TO SENSITIVE AREAS POSES A POTENTIAL THREAT  
TO FAUNA. - L. CAL. FISH

01 ☒ L. CONTAMINATION OF FOOD CHAIN 02 ☐ OBSERVED (DATE: \_\_\_\_\_) ☒ POTENTIAL ☐ ALLEGED  
04 NARRATIVE DESCRIPTION

INADEQUATE CONTAINMENT - POSES A THREAT IN THAT  
CONTAMINANTS GET OUT AND EXPOSES BIOTA, BIOACCUM  
POSSIBLE

01 ☒ M. UNSTABLE CONTAINMENT OF WASTES 02 ☒ OBSERVED (DATE: 10/26/76) ☒ POTENTIAL ☐ ALLEGED  
(Spills/runoff/standing liquids/leaking drums)

03 POPULATION POTENTIALLY AFFECTED: 720,000 04 NARRATIVE DESCRIPTION  
WATER QUALITY DATA INDICATES THAT THE WASTE STORAGE AREAS DO  
NOT CONTAIN NOR ATTENUATE THE WASTES DUMPED IN THEM. NOT SEALED  
STORAGE

01 ☒ N. DAMAGE TO OFFSITE PROPERTY 02 ☒ OBSERVED (DATE: 10/26/76) ☒ POTENTIAL ☐ ALLEGED  
04 NARRATIVE DESCRIPTION

LAKE CALUMET - CONTAMINANTS FOUND IN SMALL  
QUANTITIES - RECREATION POTENTIAL DIMINISHED

01 ☐ O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs 02 ☐ OBSERVED (DATE: \_\_\_\_\_) ☐ POTENTIAL ☐ ALLEGED  
04 NARRATIVE DESCRIPTION

01 ☐ P. ILLEGAL/UNAUTHORIZED DUMPING 02 ☐ OBSERVED (DATE: \_\_\_\_\_) ☐ POTENTIAL ☐ ALLEGED  
04 NARRATIVE DESCRIPTION

05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS

III. TOTAL POPULATION POTENTIALLY AFFECTED: 720,000

IV. COMMENTS

FACILITY'S PURPOSE WILL BE TO DETOXYFY AND NEUTRALIZE  
HAZARDOUS WASTE. RECOVER USEABLE PRODUCT. INCINERATE

V. SOURCES OF INFORMATION (Cite specific references, e. g., state files, sample analysis, reports)

S.C.A G.W. MONITORING REPORT  
IEPA FILES (Maywood)